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APR 22 2004  
U.S. PATENT & TRADEMARK OFFICE

**AFTER FINAL PROCEDURE – PLEASE EXPEDITE HANDLING**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of: Takuo YAMAMOTO et al.

Art Unit: 1652

Application No.: 09/435,770

Conf. No. 5666

Examiner: C. L. Fronda

Filed: November 8, 1999

Washington, D.C.

For: NON-REDUCING SACCHARIDE-FORMING ENZYME, TREHALOSE-RELEASING...

Atty.'s Docket: YAMAMOTO16A

Date: April 22, 2004

THE HONORABLE COMMISSIONER FOR PATENTS  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop: AF  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir:

Transmitted herewith is a ☒ Amendment After Final Rejection ☐ \_\_\_\_\_  
in the above-identified application.

☐ Small Entity Status: Applicant(s) claim small entity status. See 37 C.F.R. §1.27.

☒ No additional fee is required.

☐ The fee has been calculated as shown below:

	(Col. 1)		(Col. 2)	(Col. 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA EQUALS
TOTAL	* 3	MINUS	** 56	0
INDEP.	* 2	MINUS	*** 7	0
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				

SMALL ENTITY	
RATE	ADDITIONAL FEE
x 9	\$
x 43	\$
+ 145	\$
ADDITIONAL FEE TOTAL	
\$	

OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE
x 18	\$
x 86	\$
+ 290	\$
TOTAL	
\$	

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest Number Previously Paid for" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid for" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" (total or independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment of the number of claims originally filed.

☒ Conditional Petition for Extension of Time

If any extension of time for a response is required, applicant requests that this be considered a petition therefor.

☐ It is hereby petitioned for an extension of time in accordance with 37 CFR 1.136(a). The appropriate fee required by 37 CFR 1.17 is calculated as shown below:

Small Entity

Response Filed Within

☐ First - \$ 55.00  
☐ Second - \$ 210.00  
☐ Third - \$ 475.00  
☐ Fourth - \$ 740.00

Month After Time Period Set

Other Than Small Entity

Response Filed Within

☐ First - \$ 110.00  
☐ Second - \$ 420.00  
☐ Third - \$ 950.00  
☐ Fourth - \$ 1480.00

Month After Time Period Set

☐ Less fees (\$ ) already paid for month(s) extension of time on .

☐ Please charge my Deposit Account No. 02-4035 in the amount of \$ .

☐ Credit Card Payment Form, PTO-2038, is attached, authorizing payment in the amount of \$ .

☐ A check in the amount of \$ is attached (check no. ).

☒ The Commissioner is hereby authorized and requested to charge any additional fees which may be required in connection with this application or credit any overpayment to Deposit Account No. 02-4035. This authorization and request is not limited to payment of all fees associated with this communication, including any Extension of Time fee, not covered by check or specific authorization, but is also intended to include all fees for the presentation of extra claims under 37 CFR §1.16 and all patent processing fees under 37 CFR §1.17 throughout the prosecution of the case. This blanket authorization does not include patent issue fees under 37 CFR §1.18.

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By   
Allen C. Yun  
Registration No.: 37,971



**AFTER FINAL PROCEDURE - PLEASE EXPEDITE HANDLING  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

ATTY.'S DOCKET: YAMAMOTO16A

In re Application of:	)	Art Unit: 1652
	)	
Takuo YAMAMOTO	)	Examiner: C. L. Fronda
	)	
Appln. No.: 09/435,770	)	Washington, D.C.
	)	
Date Filed: November 8, 1999	)	Confirmation No. 5666
	)	
For: NON-REDUCING SACCHARIDE-	)	April 22, 2004
FORMING ENZYME, TREHALOSE-	)	
RELEASING ENZYME, AND...	)	

**AMENDMENT AFTER FINAL REJECTION**

Honorable Commissioner for Patents  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, **Mail Stop AF**  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir:

In response to the Office Action of February 9, 2004,  
please amend as follows:

**Amendments to the Claims** are reflected in the listing of claims  
which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.

**Attachments** including copies of Cunningham et al., *Protein  
Engineering*, vol-1, no.4, pp-319-325 (1987), and Holm et al.,  
*Protein Engineering*, vol.3, no,3, pp.181-191 (1990) references  
are attached following page 8 of this paper.